

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041257.D
 Acq On : 9 May 2024 14:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 01:27:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	783945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2073183	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2080067	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 1539330 9.803 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1266673	11.945	ppbv	100
3) Chlorodifluoromethane	2.700	51	1300665	10.924	ppbv	99
4) Chloromethane	2.838	50	488960	10.466	ppbv	96
5) Vinyl Chloride	2.944	62	496172	10.572	ppbv	100
6) Bromomethane	3.144	94	172290	10.061	ppbv	96
7) Chloroethane	3.221	64	173669	10.481	ppbv	100
8) Dichlorotetrafluoroethane	2.883	85	1222494	11.138	ppbv	98
9) Propene	2.719	41	458927	9.849	ppbv	100
10) Heptane	7.594	43	1137411	10.075	ppbv	99
11) Trichlorofluoromethane	3.584	101	1254873	11.644	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.086	101	880601	11.049	ppbv	98
13) Ethanol	3.263	45	102395	9.803	ppbv	100
14) Bromoethene	3.388	108	359431	10.928	ppbv	99
15) Acetone	3.488	43	933854	10.094	ppbv	98
16) 1,3-Butadiene	3.009	39	511302	10.948	ppbv	96
17) tert-Butyl alcohol	3.896	59	909887	9.117	ppbv	99
18) 1,1-Dichloroethene	3.903	96	384291	10.815	ppbv	99
19) Isopropyl Alcohol	3.597	45	648590	10.683	ppbv #	44
20) Methylene Chloride	3.954	84	319784	9.939	ppbv	97
21) Allyl Chloride	4.018	41	614180	10.181	ppbv	97
22) trans-1,2-Dichloroethene	4.465	96	405527	10.974	ppbv	94
23) Vinyl Acetate	4.645	43	1059336	10.398	ppbv #	99
24) 1,1-Dichloroethane	4.584	63	868197	10.959	ppbv	100
25) Ethyl Acetate	5.221	43	1867877	10.115	ppbv	99
26) Hexane	5.230	57	828457	10.053	ppbv	98
27) Carbon Disulfide	4.144	76	1015548	10.410	ppbv	97
28) Methyl tert-Butyl Ether	4.603	73	625647	9.535	ppbv	99
29) Chloroform	5.295	83	1291023	11.356	ppbv	99
30) Cyclohexane	6.616	84	703941	10.791	ppbv	97
31) cis-1,2-Dichloroethene	5.099	61	838786	10.872	ppbv	94
32) 1,1,1-Trichloroethane	6.021	97	1297473	11.438	ppbv	99
34) 2-Butanone	4.806	43	1027867	9.741	ppbv	98
35) Carbon Tetrachloride	6.510	117	1344967	11.560	ppbv	98
36) Benzene	6.388	78	1736944	9.984	ppbv	98
37) 1,2-Dichloroethane	5.825	62	1033372	11.384	ppbv	99
38) Trichloroethene	7.308	130	703706	10.854	ppbv	94
39) 1,2-Dichloropropane	7.089	63	668581	9.972	ppbv	95
40) 1,4-Dioxane	7.301	88	272152	11.362	ppbv	86
41) Tetrahydrofuran	5.574	42	727530	9.524	ppbv	99
42) Bromodichloromethane	7.266	83	1458524	11.203	ppbv	100
43) Methyl Methacrylate	7.488	69	699511	9.941	ppbv	97
44) 2,2,4-Trimethylpentane	7.343	57	2951928	9.841	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	508017	9.963	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	629272	10.080	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	724208	10.791	ppbv	98
48) Dibromochloromethane	9.725	129	1233210	11.533	ppbv	100
49) Bromoform	12.420	173	1020402	11.218	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	1828381	9.655	ppbv	100
51) 2-Hexanone	9.565	43	1306856	9.304	ppbv #	99
52) Tetrachloroethene	10.629	164	622874	10.186	ppbv	97
53) Toluene	9.237	91	2057847	10.201	ppbv	100
54) 1,2-Dibromoethane	10.024	107	996518	10.963	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	897406	10.640	ppbv	98
57) Chlorobenzene	11.542	112	1533228	10.065	ppbv	97
58) Ethyl Benzene	12.102	91	2771771	9.718	ppbv	99
59) m/p-Xylene	12.384	91	4699238m	19.603	ppbv	
60) o-Xylene	13.073	91	2231099	9.929	ppbv	100
61) Styrene	12.912	104	1199484	10.105	ppbv	98
62) Isopropylbenzene	14.044	105	3306223	9.837	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	1550745	10.125	ppbv	99
64) n-propylbenzene	14.928	120	872782	10.409	ppbv	97
65) tert-Butylbenzene	16.101	119	2947530	9.791	ppbv	100
66) Benzyl Chloride	16.343	91	186047m	5.460	ppbv	
67) sec-Butylbenzene	16.648	105	4153711	9.802	ppbv	98
69) p-Isopropyltoluene	17.008	119	3451221	9.883	ppbv	99
70) n-Butylbenzene	17.899	91	3636860	9.972	ppbv	100
71) 2-Chlorotoluene	14.812	91	2554203	9.981	ppbv	99
72) 4-Ethyltoluene	15.208	105	2626016	10.318	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	2316926	10.061	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2531884	10.067	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	1507498	10.453	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1484996	10.707	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1470883	10.203	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1054097	8.227	ppbv	99
79) Naphthalene	21.400	128	2525015	10.543	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	799103	8.294	ppbv	96
81) 1,2,4-Trichlorobenzene	21.156	180	1204451	9.524	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

